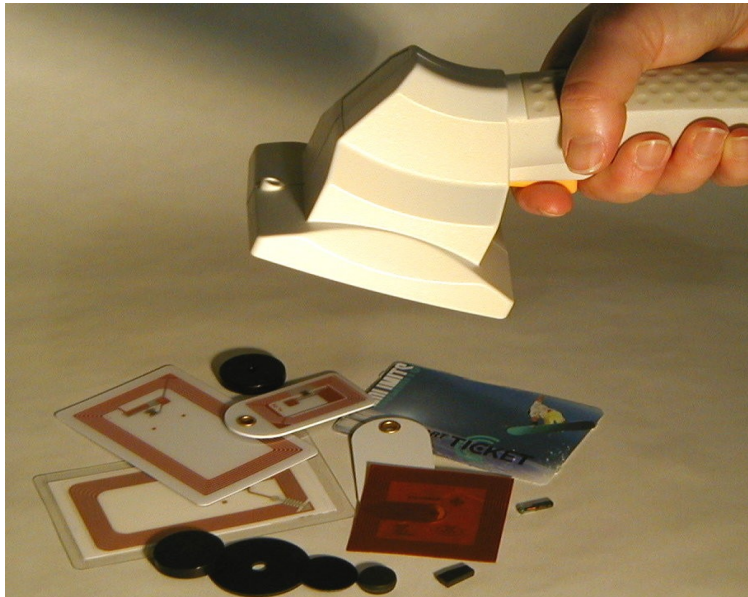# Item Unique Identification (IUID)—Basic Training

Outline of Training

- **History and Background**
- **Why we are doing it?**
- **Policies/Guidance**
- **Implementation Planning**
- **Differences Between IUID and RFID**
- **Resources**

DoD: Facing new challenges...

- *Rapidly moving forces on a dynamic battlefield*
- *Demand for better information on assets*
- *Need for more effective visibility and management of inventory*

- *Improve business processes now*
- *Improve confidence*
- *Influence the direction and cost of technology development*
- *Drive the standards to work for us*
- *Facilitate the implementation of Unique Identification (UID)*

The Genesis of IUID

- **GAO concerned with DOD management of its inventory of equipment.**

- **Finding: DOD's inventory exceeded its war reserve or current operating requirements, but lacked key spare parts (particularly aviation spares) due to a lack of adequate accountability over material shipments or effective monitoring of defective spare parts.**

GAO-02-477G (Mar 02): Executive Guide, Best Practices in Achieving Consistent, Accurate Physical Counts of Inventory and Related Property

DoD Vision for Item Unique Identification (IUID)

- To implement a policy establishing *a strategic imperative for uniquely identifying tangible items* relying to the maximum extent practical on international standards and commercial item markings and while not imposing unique government data requirements.

- Uniquely identified tangible items will facilitate item tracking in DoD business systems and *provide reliable and accurate data* for management, financial, accountability and asset management purposes.

UID: What makes it so Special?

UID…

➢ **Provides** *"The Key"* **to discovery and correlation of item, real property and human resource information so …**

– **DoD can** *consistently locate, control and value assets* **anywhere and anytime**

➢ **Enables** *globally accessible and secure* **enterprise data**

➢ **Registries enable** *creation of UID mission critical services to*

UII: What Is It?

It displays toward that many items we buy have identification on them that indicate the manufacturer or distributor of the product and the product type.
---Two identical cans of Coke from the same bottling plant will show the same data on the Universal Product Code (UPC)

Some items also have a serial number that differentiates one item from another identical item (e.g., the 24th engine off the assembly line is different from the 1024th)
---Serial numbers are unique, but not outside of their enterprise – the serial number assigned by XYZ Manufacturer could be the same as one assigned by ABC Company.

By combining enterprise identification, item class and serialization, a globally unique item identifier is created that differentiates each item from other items
---Each item has its own globally unique item identifier (UII)

MFR 0CVA5
SER 674A36458

IUID: How Is It Done?

The UII Is Derived From Discrete Component Data Elements – The UII Is Not Required To Be Marked On The Item as Its Own Data Element

Coded in the Data Matrix:

Enterprise Identifier = 0CVA5 (CAGE Code)

Original Part Number= 1234

Serial Number = 674A36458

The ISO assigned Issuing Agency Code (IAC) can be derived using the Enterprise data qualifier. The IAC for CAGE, is "D":

UII Construct 1	UII Construct 2
If the Serial Number is Unique within the Enterprise Identifier	*If the Serial Number is Not Unique within the Enterprise Identifier but is Unique within the Part Number*
D0CVA5674A36458	D0CVA51234674A36458

Defining the Scope of a UII

A UII Is	A UII Is Not
✓ **A Data Element** ✓ **A Unique Identifier for an Item** ✓ **Globally Unique** ✓ **Unambiguous** ✓ **Permanent** ✓ **Created by Concatenating Specific Data Elements** ✓ **The enabler for business intelligence**	✓ **A Device for Communicating Data, such as Radio Frequency Identification (RFID) Tags, Contact Memory Buttons, or Linear Bar Codes.** ✓ **A Replacement for the National Stock Number** ✓ **Intelligent Data that Yields Information About the Item**

IUID Policy Overview

- **Policy memorandum released on July 29th 2003 (with subsequent updates) established IUID as a mandatory DoD requirement on all solicitations issued on or after January 1, 2004.**

- **IUID is required for all property items delivered to the Government if:**

  - *Acquisition cost is more than $5,000*

  - *Items with an acquisition cost below $5,000, when identified by the requiring activity as DoD serially managed, mission essential, or controlled inventory*

  - *Items with an acquisition cost below $5,000 as determined by the requiring activity*

  - *Regardless of value, any DoD serially managed subassembly, component or part embedded within an item and the "parent" item in which it is embedded*

- **Wide Area Workflow (WAWF) is the preferred method for capturing IUID data and became a mandatory payment requirement on January 1, 2005**

Key Direction from IUID Policy Updates

➢ **Apply IUID to legacy items in inventory and operational use**

➢ **All program and item managers plan for and implement IUID**
- **ACAT 1D programs submitted plans by June 2005**
- **All others to MDAs by January 2006**

➢ **Government Furnished Property (GFP) must meet IUID policy requirement effective 1 Jan 2006**

➢ **Plans targeted FY2007 as the point by which:**
- **All existing serialized assets will be entered in IUID registry**
- **UII marking capabilities established such that marking can**
   commence when equipment is returned for

Key Direction from IUID Policy Updates

➢ **DUSD (Logistics and Material Readiness)** **develop IUID implementation plan for organic depot maintenance operations**

➢ **Jan 2007:   OUSD Materiel Readiness & Maintenance Policy released "Implementing Item-Unique Identification in DoD Maintenance" (dated 31 Jan 07)**
  ➢ **The Concept of Operations IUID-Enabled Maintenance in Support of DoD Materiel Readiness**

➢ **Feb 07: Policy Update for Item Unique Identification (IUID) of Tangible Personal Property**

➢ **DoD Directive 8320.03, dated 23 Mar 07, Unique Identification (UID) Standards for a Net-Centric Department of Defense**

➢ **17 Dec 2007: MIL STD 130N--DoD Standard Practice**

Applying the UII

- **Vendor-Applied-at-Source:** Marking applied when item is manufactured

- **Opportunity-Based Item Application:** Can be done in the field or factory, wherever it is convenient to gain access to items either on an end item or available in a storage facility (phase maintenance, scheduled servicing, depot rebuild or overhaul processes, and work-order processes during modification)

- **Seek-and-Apply:** Used for particular items held within service, either at the end item or in storage. This strategy is dependent on establishing the location and availability of items before deployment of application equipment and teams. This approach is dependent upon good legacy data, and will demand greater overhead of coordinated effort to effect access to the assets.

- **Gated:** The interception of items as they transit specific gates within the supply chain. After identification, the situation can be resolved by diverting the item back to the vendor for application, provision of an application capability at the specific supply gate, or diversion of the item to a centralized application facility.
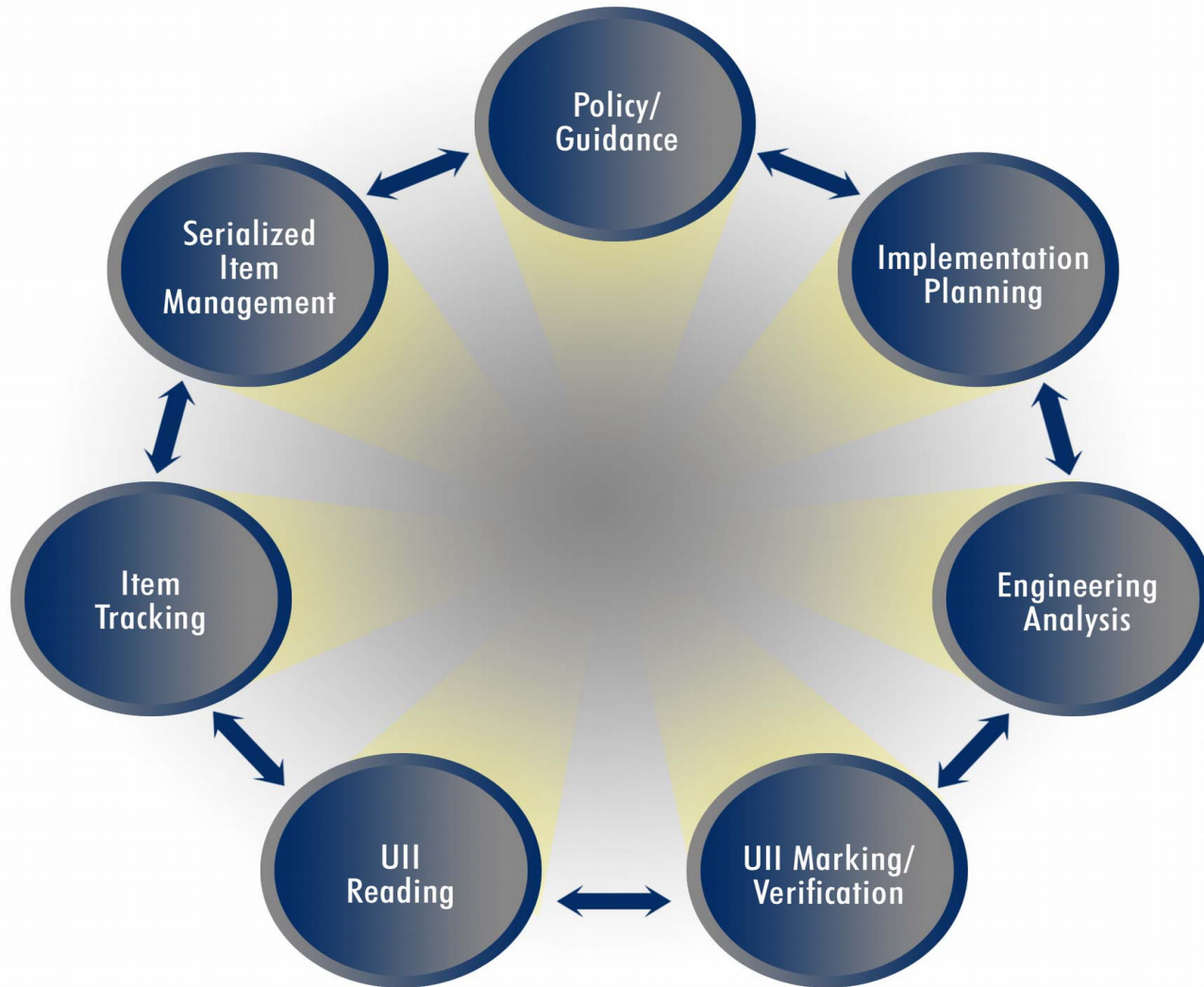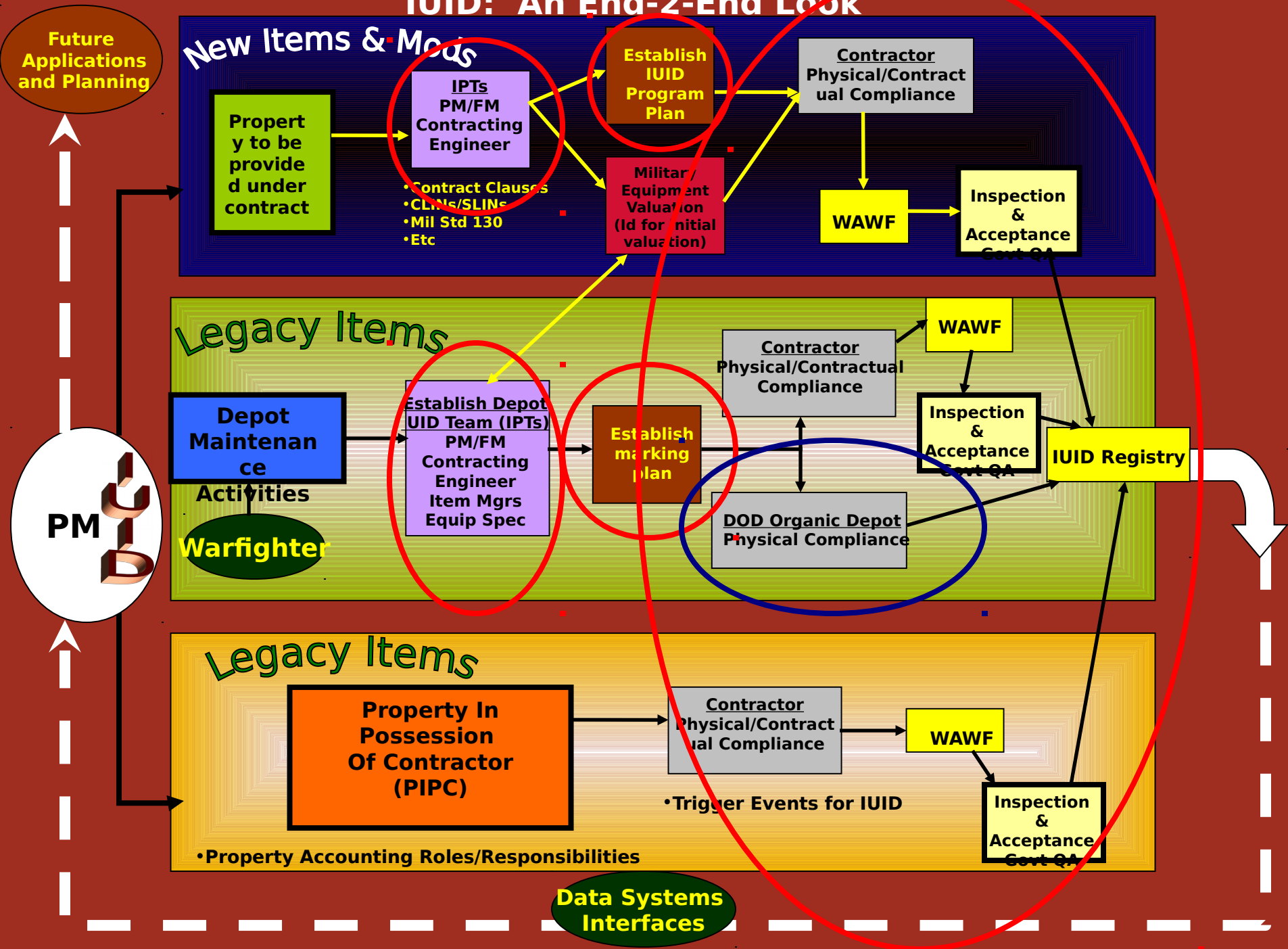
UII Marking by DoD

- It may be desirable for the **DOD-requiring activity to mark items** when received rather than require the vendor to mark until the vendor's internal capabilities are established. The requiring activity must ensure that DOD activities can guarantee that the UII information they use is unambiguous and globally unique through life.

- There will be non-recurring costs to make the appropriate changes to **drawings and marking** instructions for legacy items, in accordance with MIL-STD-130 requirements, as well as costs for marking equipment and readers

- *11 May 05: Directed programs to* **include requirements in budgeting documents** *(FY07-12) to ensure implementation visibility within the Planning, Programming, Budgeting, and Execution (PPBE) process*
  - *Budget exhibits for RDT&E, procurement, operations & maintenance funds*
  - *Capital and operations budgets in Working Capital Funds (included in customer rates)*
  - *Needs to be an on-going process as requirements are identified*

Structure for Implementing IUID

IUID: An End-2-End Look

Future Applications and Planning

PM

New Items & Mods

Property to be provided under contract

IPTs
PM/FM
Contracting
Engineer

- Contract Clauses
- CLINs/SLINs
- Mil Std 130
- Etc

Establish IUID Program Plan

Military/ Equipment Valuation (Id for initial valuation)

Contractor
Physical/Contractual Compliance

WAWF

Inspection & Acceptance Govt QA

Legacy Items

Depot Maintenance Activities

Warfighter

Establish Depot UID Team (IPTs)
PM/FM
Contracting
Engineer
Item Mgrs
Equip Spec

Establish marking plan

Contractor
Physical/Contractual Compliance

WAWF

Inspection & Acceptance Govt QA

IUID Registry

DOD Organic Depot
Physical Compliance

Legacy Items

Property In Possession Of Contractor (PIPC)

Contractor
Physical/Contractual Compliance

WAWF

Inspection & Acceptance Govt QA

- Trigger Events for IUID

- Property Accounting Roles/Responsibilities

Data Systems Interfaces

Planning Implementation
What Activities Need to be Involved (IPT/IPPD) *

- Program Management   Engineering
- Logistics/Customer Support   Manufacturing
- Process Engineering   Procurement
- Finance   Configuration Management
- Data Management   Contracts
- Supply Chain Management   Information Technology
- Business Area Leads   Audit
- Communications   International Liaison
- Legal   Supply Chain Managem

Key Responsibilities for IUID Implementation

- **Program Managers** will identify items that require unique identification, including embedded subassemblies, components and parts. These embedded items will be identified in a Contract Data Requirements List (CDRL) or Exhibit.

- **Contracting Officers** shall include the clause at 252.211-7003, Item Identification and Valuation, in all solicitations and contracts that require delivery of items.

- All items delivered to the Department will be delivered under a contract line item and the Department's acquisition cost of each item will be identified under a contract line item or sub-line item

- **Contractors** are required to provide item unique identification, or a DoD recognized IUID Equivalent, for all items delivered with an acquisition cost of $5,000 or more and as designated by the requiring activity for items less than $5,000.

- Under the clause at 252.211-7003, marking of items shall be in accordance with MIL-STD-130N, Identification Marking of U.S. Military Property.

Key Responsibilities for IUID Implementation

- **Defense Contract Management Agency** will inspect and accept IUID items, provide oversight of government-furnished property, provide oversight of initial IUID-enabled SIM information requirements per contract clauses, and provide program and technical support using IUID associated data for analyzing the cost/schedule/technical performance of contractor programs and systems

- **IUID Registry** will establish interfaces with Wide Area Work Flow and property systems; maintain the IUID Registry; and establish interfaces with item history, maintenance, system configuration, and other pertinent technical databases

- **Maintenance Activities** will incorporate IUID processes into all relevant transactions, mark legacy items as required, associate maintenance events to IUID items, coordinate the development of IUID processes and SIM requirements with the appropriate information systems
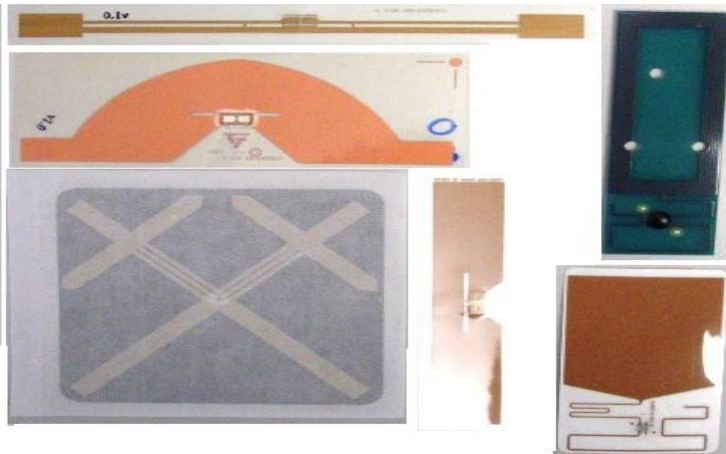
Program Manager Tools

- **Implementation Toolkit**
  - **http://www.iuidtoolkit.com**
- **Implementation Tools and Templates**
  - **http://www.acq.osd.mil/dpap/sitemap.html**
- **Material Standards**
  - **http://rsesc.uah.edu/DPM**
- **Joint-Automatic Identification Technology contract**
  - **https://www.eis.army.mil/AIT/**

Differences between IUID and RFID

RFID History
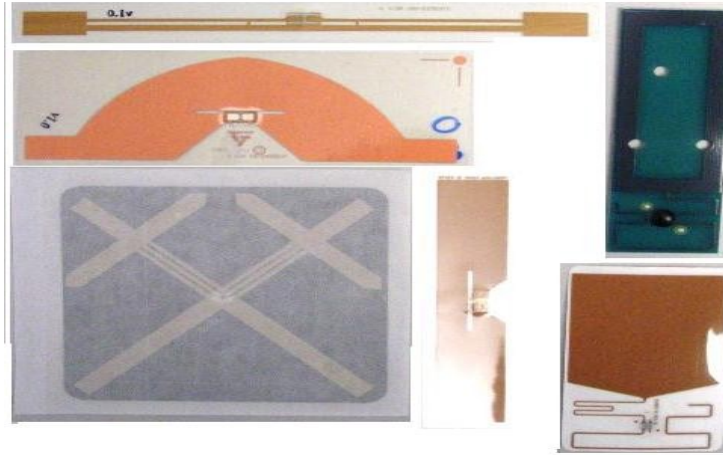
WAL★MART®
announces top 130-150 suppliers must use RFID by Jan. 1 2005

Auto-ID established

announces all suppliers must use RFID by Jan. 1 2005

Electronic Article Surveillance (EAS) for retail and libraries

•**Toll collection**
•**Access control**
•**1st Gulf War tagging**

Animal tagging

RFID and item tagging

RFID born as IFF

| 1940s | 1960s | 1970s | 1980s | 1990s | 2003 | 2010 |

RFID is referred to as the next generation barcode

According to current DoD Policy, RFID tags that carry data are required to be attached to packages at multiple levels, including item packages, cases, and pallets. Unique Identifiers are required to be attached or directly marked on items using a data matrix to carry the UID data elements.

RFID Tag (Pallet Level)

RFID Tag (Case Level)

RFID Tag (Item Package Level)

UID Data Matrix (Item Level)
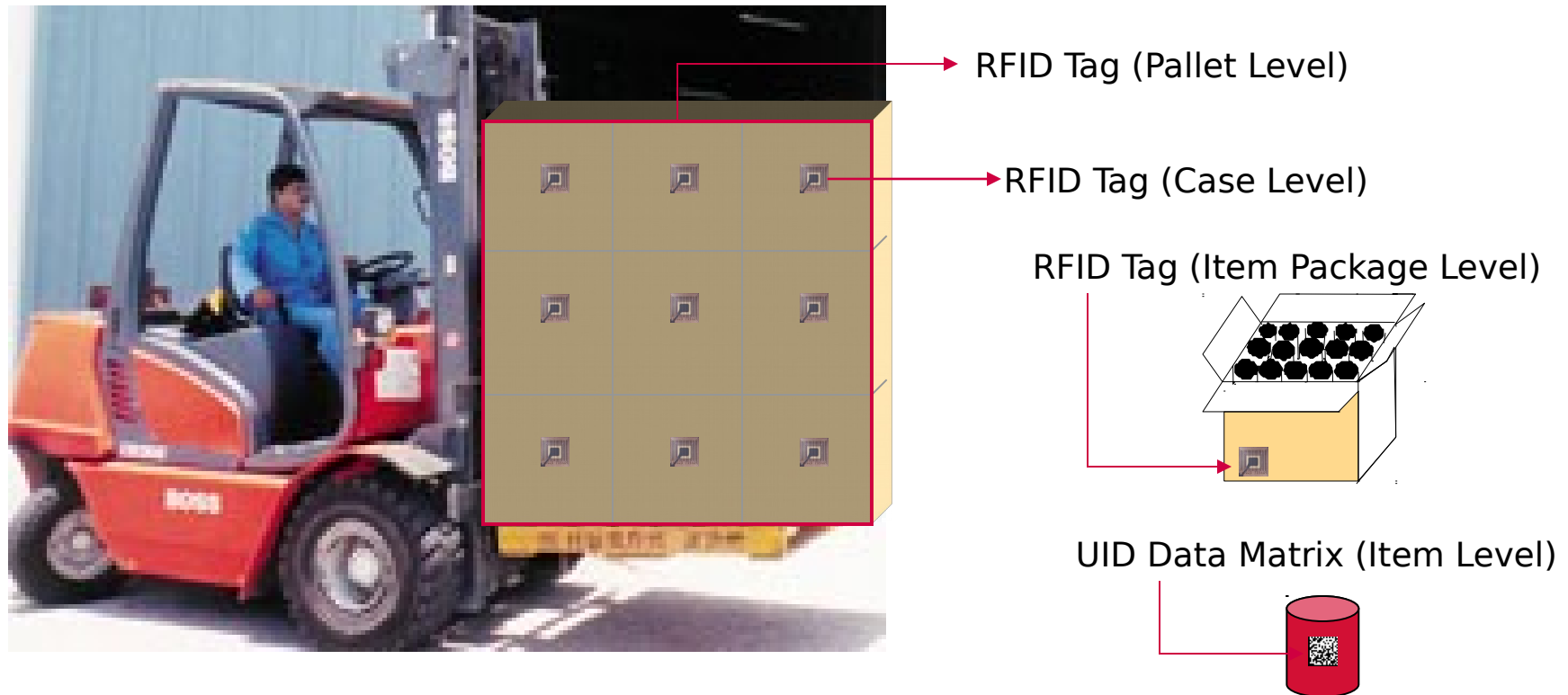
UID vs RFID

	UID	RFID
Marking	Item	Packaging
Technology	2D Data Matrix	EPC RFID tag
Purpose	Life cycle data visibility	Supply chain receipt/track
Threshold	>$5000, some exceptions	NONE
Implementatio	January 1,	January 1,

Separate initiatives
Different technologies
Different business rules

RFID Challenges Ahead

- *State of the technology*
  - **Read ranges**
  - **Security/Privacy**
- *Economic Issues*
- *Regulatory Issues*
  - **States, FDA, EPA, FCC**
- *Standards*
  - **Air Interface Protocols**
  - **Frequencies**
  - **Data formats/constructs**
- *AIS & Data Architecture*
- *Education & Training*
- *Phasing of implementation*
- *Business systems integration*

RFID – Future Reality...unlocking the

Back to the Future

"I think the industry has sold itself on a program that offers so little return that it simply won't be worth the trouble and expense"

discussing the potential of the barcode in 1975*

*"Scanning Hits a Snag," Progressive Grocer, December 1975, p. 47

Additional Resources

Item Unique Identification (UID) Resources

- **Defense Procurement and Acquisition Policy**
  - **http://http://www.acq.osd.mil/dpap/pdi/index.html**
- **IUID e-News Letter November 2007**

  - http://www.acq.osd.mil/dpap/UID/enewsletter/index.html
- **UID & eBusiness Forum, Implementing Strategies**

  - http://www.uidforum.com
- **DAU, UID Video**

  - http://view.dau.mil/dauvideo/view/eventListing.jhtml?eventid=978

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Address http://www.acq.osd.mil/dpap/pdi/index.html

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Contract Policy

International Contracting

Program Acquisition and Contingency Contracting

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Contingency Contracting

Cost, Pricing & Finance

Program Development and Implementation

E-Business

Purchase Card

Unique Identification

Strategic Sourcing

Items of Interest

Choose one

Program Development and Implementation

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About

Program Development and Implementation (PDI) is comprised of UID, Purchase Card and E-business. UID is a Department of Defense program that will enable easy access to information about DoD possessions that will make acquisition, repair, and deployment of items faster and more efficient. Purchase Cards are government charge cards that enable the Department of Defense to streamline its business processes and thereby free up resources for critical national security needs. E-business is the department of Defense Business Transformation Agency (BTA) efforts in conjunction with DPAP method of leading efforts to make sure policies, processes, data, technology and people are aligned and integrated to provide a consistent experience for suppliers and DoD stakeholders.

Read More >>

E-Business

E-business is the department of Defense Business Transformation Agency (BTA) efforts In conjunction with DPAP method of leading efforts to make sure policies, processes, data, technology and people are aligned and integrated to provide a consistent experience for suppliers and DoD stakeholders.

Read More >>

Purchase Card

Purchase Cards are government charge cards that enable the Department of Defense to streamline its business processes and thereby free up resources for critical national security needs.

Read More >>

Unique Identification

UID is a Department of Defense program that will enable easy access to information about DoD possessions to make acquisition, repair, and deployment of items faster and more efficient.

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In This Section

↰ **Up One Level**

LeAntha Sumpter
Deputy Director, Program Development and Implementation

Ms. Sumpter is the Deputy Director, Program Development and Implementation, Defense Procurement and Acquisition Policy in the Office of the Under Secretary of Defense (Acquisition, Technology & Logistics) responsible for functional e-business procurement requirements. This includes Unique Identification (UID) policy and Program Management for the DoD Purchase Card Joint Program. **Read more**

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Unique Identification

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About

UID is a Department of Defense program that enables improved access to information about DoD possessions to make acquisition, repair, and deployment of items faster and more efficient.

Read More >>

Topics

Accounting and Valuation
This page contains information regarding accounting and valuation within IUID.

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Directives
This page contains information regarding DoD issuances and directive-type memorandums used to convey DoD policies, responsibilities, and procedures.

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FAQ
This page contains frequently asked questions concerning UID.

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Guides
This page contains documents designed to assist in all phases of UID implementation.

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National and International Standards
This page contains information regarding ISO 15434.

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Policy and Regulations
This page contains the latest UID policy documents in addition to information on regulations and standards

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Technology
This section provides information on the data matrix, what needs to be marked, and guidance on how to mark.

Read More >>

Training and Communication
This page contains information on training events and resources designed to assist in the implementation of IUID.

Read More >>

In This Section

↰ Up One Level

Contacts

UID Policy Office
info@uniqueid.org
703.848.7314

News

December 13, 2007

PM J-AIT Office reader-demonstration testing is complete.

November 26, 2007
The November 2007 edition of our E-Newsletter is now available

August 15, 2007
The IUID Data Tutorial is now available.

August 1, 2007
IUID Success Stories featured in Defense AT&L Magazine

July 12, 2007
Honorable James I. Finley, DUSD(A&T), signed the memorandum entitled "Unique Item Identifiers (UIIs) and Government Serialization"

July 1, 2007
Drs. James Finley and Delores Etter speak out on benefits and opportunities of IUID

View the full news listing

Policy Vault

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Office of the Under Secretary of Defense for Acquisition, Technology & Logistics   **Issue: November 2007**

IUID in Action

Item Unique Identification

IUID Helpdesk   IUID Website   IUID Toolkit   IUID Tutorial   DATA Tutorial   DAU Website

The UID Policy Office, part of Program Development and Implementation (PDI) under Defense Procurement and Acquisition Policy (DPAP) wants you to stay current on implementation progress, announcements and events. This newsletter is just one avenue to keeping you up to date. There are many resources available including web-based toolkits, videos, bi-coastal events, training seminars and online tutorials.

DFARS 252.211-7007

Update

The Defense Federal Acquisition Regulation Supplement (DFARS) clause was updated 13 September 2007 with important IUID implications regarding Government Furnished Property (GFP). The interim DFARS 252.211-7007 rule for Item Unique Identification of Government Property requires contractors to provide Property in the Possession of Contractors (PIPC) information to the IUID Registry. Contractor Acquired Property (CAP) is excluded from the Registry and should be submitted only when it becomes GFP and meets the IUID requirements. The contractor is responsible for updating the IUID Registry with information changes – additional details can be found at
http://www.acq.osd.mil/dpap/dars/dfars/html/current/252211.htm.

UID & eBusiness Forum Update

Bringing DoD Personnel, Service Representatives and Industry Together

The UID & eBusiness Forum conducted 11-13 September 2007 in Atlanta GA, brought together nearly 800 attendees, speakers and exhibitors for

News Fl@sh

WAWF Web-Based Training

WAWF is the **only** electronic method that will allow electronic payment submission of all types of invoicing, and it has been enhanced to support property transfers for items already registered in the IUID Registry. For additional information and web-based training on the Property Transfer functionality within WAWF, please visit
https://wawf.eb.mil
Select the blue area "About WAWF" and then click on "Access web-based training".

ACAT 1D – IUID Success

The UID Policy Office and the ACAT 1D programs have been working closely together implementing IUID requirements; nearly 100% of ACAT 1D programs have successfully submitted and are implementing approved IUID plans. A total of 875 IUID Program Plans have been reviewed and approved by UID Policy Office Team

IUID Implementation Toolkit - Suppliers, PMs, Warfighters, Depots - Microsoft Internet Explorer provided by Defense Acquisition

File   Edit   View   Favorites   Tools   Help

Address http://www.iuidtoolkit.com/

IUID Item Unique Identification

Implementation **Toolkit**

Related Links:

> DPAP Website
> UID Website
> FAQs
> DAU website
> DoD RFID Website
> IUID Overview Tutorial
> IUID Data Tutorial
> UID Forum Website

Helpdesk

info@uniqueid.org
or (703) 848-7314
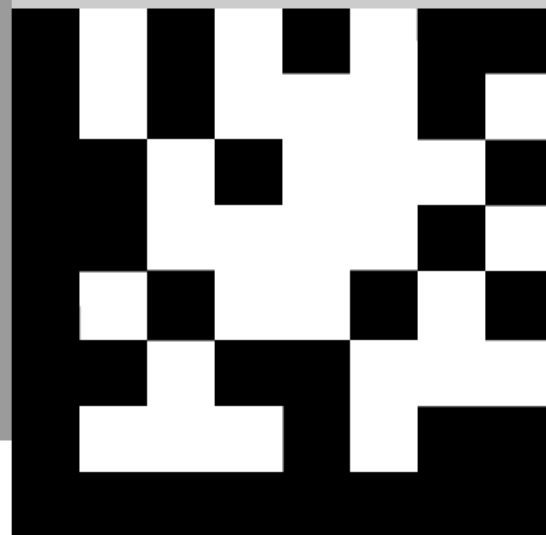
Welcome

The Item Unique Identification (IUID) Toolkit has been developed to streamline the implementation of unique identification technology throughout DoD and its supply chain. To get started, access the roadmap designed for you from the list below.

- Defense Suppliers
- Program Managers
- Maintenance Depots
- Operations and Field Maintenance

For assistance or comments regarding this website, please email us at info@iuidtoolkit.com

UID&eBusinessForum | Implementation Strategies for Programs & Suppliers

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Unique Identification is Transformation

UID

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> ASSET VISIBILITY
> IUID IN DoD
DEFENSE AT&L MAGAZINE

Official UID Website

DPAP eBusiness

eBusiness Program

ATTENTION DoD Contractors and Military Program Managers: You are affected by the Unique Identification (UID) Policy!

This mandatory Policy impacts all levels of supply, including small to mid-sized businesses and all acquisition programs!

The UID & eBusiness Forum is designed to provide practical guidance to help educate military program managers and DoD contractors achieve successful UID and eBusiness Systems implementation. The 2008 series offers Forums in Arlington, VA, Huntsville, AL and Sacramento, CA.

Attend to learn about:

- Standards & Marking Guidelines
- Wide Area Work Flow (WAWF) & Electronic Document Access (EDA)
- Economics of IUID & RFID Integration
- Government Furnished Property
- Contract Reporting
- IUID Registry & Unique Item Identifiers (UII) Supplier Flowdown
- Materiel Visibility
- Past Performance Reporting (CPARS/PPIRS)
- Federal Procurement Data System – Next Generation (FPDS-NG)

Attendees will have hands on access to all the required technologies presented by the top solutions providers in our

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Download the September 2007 Conference Guide & Exhibits Directory

UID DIRECTIVE IS SIGNED
MORE

POLICY UPDATE
IUID of Tangible Personal Property
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IUID Toolkit

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Address https://acc.dau.mil/uid   Go

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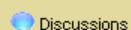Become a Member
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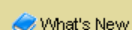**Unique Identification (UID)**
Community

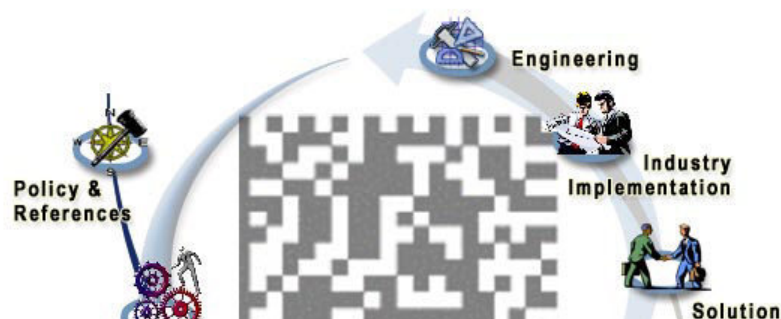User Reviews

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Main View   Discussions   What's New   Activity

17 contributions at this community | Search Knowledge in this Community

- GEIA-sponsored direct part marking methods & environments database **GEIA UID INITIATIVE**
- Four-part IUID video at **IUID Overview Video**
- Updated **UID Training**
- **UID FORUMS** (Arlington, VA 26-27 February 2008; Huntsville, AL 8-9 April, 2008, Sacramento, CA 17-18 June 2008)
- **IUID Depot Maintenance Customer Days**
- **IUID/RFID Seminar** in conjunction with U Connect Conference Nashville, TN
- Implementation Tools
  - ○ **Templates**
  - ○ **IUID Toolkit**
- **IUID in Action**

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Industry
Implementation

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- **Policy Memoranda**
- **Implementation Guidebooks**
- **Articles**

Highlighted Contributions

Contributions

Name ^	File	Contributor	Modified	Type	Rank
ADUSD Materiel Readiness & Maintenance Policy "UID for Maintenance"		Private	31-Oct-2005 7:47 AM	Related Websites	
Air Force UID CoP		Private	1-Apr-2005 12:39 PM	Related Websites	
Barcode Examples	1 file	Private	6-Mar-2007 3:00 PM	References	
DoD Directive 8320.03 "Unique Identification (UID) Standards for a Net-Centric Department of Defense", DTD 23 Mar 07	1 file	Private	5-Apr-2007 11:18 AM	Regulatory	
DPAP Policy and Regulations		Private	26-Sep-2007 12:18 PM	Regulatory	
Integrated List of Existing Unique Item Identification (UID) Definitions and Acronyms	1 file	Private	23-May-2005 9:13 AM	References	
IUID - Common Approaches and Toolsets	1 file	Private	6-Mar-2007 2:57 PM	Presentations	
UID Directives		Private	19-May-2005 6:08 PM	Regulatory	
UID Program Overview (September 2005)		Private	23-Sep-2005 11:29 AM	Presentations	

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This section provides references on UID implementation. Especially important are:

- ## MIL-STD-130N (Dec 2007)
- DoD Guide to Uniquely Identifying Items (dtd 1 June 2006)
- Program Manager's Planning Roadmap for Implementing Item Unique Identification (IUID).

📄 Highlighted Contributions

Contributions

Name	File	Contributor	Modified	Type	Rank
DoD Guide to Uniquely Identifying Items - v1.6 dtd 1 JUN 2006		Jill Garcia	5-Jul-2006 2:33 PM	References	
Implementation Guidebooks		Tom Edison	15-Jan-2008 8:07 PM	References	
Mil Std 130N (Dec 2007)	1 file	Tom Edison	15-Jan-2008 7:59 PM	References	
MIL-STD-130L - DoD Standard Practice Identification Marking of U.S. Military Property 20 DEC 2004	1 file	Jill Garcia	19-May-2005 10:14 AM	References	
Sample IUID Program Plan	1 file	Jill Garcia	13-Jun-2005 12:27 PM	Examples	
Tips on Constructing the Unique Item Identifier	1 file	Jill Garcia	16-Jun-2005 7:17	References	

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IUID Program Overview

Part of "Rapid Deployment Training (RDT)" Channel

IUID Program Overview

Available Formats:
Windows - 96-384, Video

Available Date: 15 Dec 2005, 12:19 PM EST
Expiration Date: Does not expire

Duration: 31 minutes

View Program:

▶ **DOD IUID1**
(Windows - 96-384, Video)

Program Tools

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Other Information Tools

- **DoD Guide to Uniquely Identifying Items:** **Outlines the UID process, business rules, and UID constructs**

- **UID 101:** **This guide explores all aspects of this initiative and is intended to provide an understanding of how DoD program offices and commercial businesses can successfully implement the Unique Identification (UID) policy**

- **Guidelines for the Virtual Unique Item Identifier (UII): This document describes the virtual unique item identifier (UII) concept, the processes for assigning and registering virtual UIIs, and the prospective marking of items that have virtual UIIs.**

- **Guidelines for Engineering, Manufacturing, and Maintenance Documentation Requirements for UID implementation:** **Provides suggested methods for minimizing the non-recurring engineering costs associated with incorporating marking requirements for DoD unique identification into engineering drawings, manufacturing instructions, and maintenance work records.**

QUESTIONS?